



# CVE-2025-52540

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF !\[\]\(003082e50e3009141f59bd5df831749f\_img.jpg\)](#)

## Summary

<b>CVE</b>	CVE-2025-52540
<b>State</b>	PUBLISHED
<b>Assigner</b>	AMD
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2026-05-15 02:16:23 UTC
<b>Updated</b>	2026-05-15 02:16:23 UTC
<b>Description</b>	An improper input validation vulnerability within the AMD Platform Management Framework (PMF) Driver can allow a local user to gain administrative privileges on the system.

## Risk And Classification

**Primary CVSS:** v4.0 8.5 HIGH from psirt@amd.com

**CVSS:**4.0/AV:L/AC:L/AT:N/PR:L/UI:N/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

**Problem Types:** CWE-787 | CWE-787 CWE-787 Out-of-bounds Write

Version	Source	Type	Score	Severity	Vector
4.0	psirt@amd.com	Secondary	8.5	HIGH	CVSS:4.0/AV:L/AC:L/AT:N/PR:L/UI:N/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X
4.0	CNA	CVSS	8.5	HIGH	CVSS:4.0/AV:L/AC:L/AT:N/PR:L/UI:N/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N

## CVSS v4.0 Breakdown

Attack Vector

Local

Attack Complexity

Low

Attack Requirements

None

Privileges Required

Low

User Interaction

None

Confidentiality

High

Integrity

High

High

Availability

High

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:L/AC:L/AT:N/PR:L/UI:N/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

### Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	AMD	AMD Ryzen 7035 Series Processors With Radeon Graphics Formerly Codenamed Rembrandt R	unaffected 7.06.
CNA	AMD	AMD Ryzen 7040 Series Mobile Processors With Radeon Graphics Formerly Codenamed Phoenix	unaffected 7.06.
CNA	AMD	AMD Ryzen 8040 Series Mobile Processors With Radeon Graphics Formerly Codenamed Hawk Point	unaffected 7.06.
CNA	AMD	AMD Ryzen 6000 Series Processors With Radeon Graphics Formerly Codenamed Rembrandt	unaffected 7.06.
CNA	AMD	AMD Ryzen Embedded 8000 Series Processors	unaffected Grap

### References

Reference	Source	Link	Tags
www.amd.com/en/resources/product-security/bulletin/AMD-SB-4015.html	psirt@amd.com	www.amd.com	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

### Vendor Comments And Credit

#### Discovery Credit

**CNA:** Reported through AMD Bug Bounty Program (en)

There are currently no legacy QID mappings associated with this CVE.

© CVE.report 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

Free CVE JSON API [cve.report/api](https://cve.report/api)

CVE.report and Source URL Uptime Status [status.cve.report](https://status.cve.report)